



## SUBSTITUTION OF RECLAIMED ASPHALT PAVEMENT (RAP) MSP 03-02

**1.0 Description.** This specification covers the use of RAP in Secs 301, 401 and 402 bituminous mixes.

**2.0 Material Requirements.** All RAP material not having a direct verifiable tie to the MoDOT system shall be tested in accordance with AASHTO TP 58, Method for Resistance of Coarse Aggregate Degradation by Abrasion in the Micro-Deval Apparatus. The material shall be tested at a frequency of once per 1500 tons (Mg). Material with a Micro-Deval percent loss of more than 20 shall not be used. Micro-Deval testing will be waived for RAP material having a direct verifiable tie to the MoDOT system.

**3.0 Reclaimed Asphalt Pavement.** Up to 15 percent of RAP may be substituted in lieu of mineral aggregate in Secs 301, 401 and 402 bituminous mixes. The RAP material shall be in accordance with Sec 1002 for deleterious and other foreign material.

**4.0 Production Testing.** For the purpose of production control, the contractor shall determine on a daily basis, at a minimum, the gradation on the aggregate reclaimed from the RAP by either extraction or binder ignition. The gradation results shall be used to determine the daily specification compliance for the combined gradation. The RAP shall be sampled from the RAP feeding system on the asphalt plant.

**5.0 Reporting.** A copy of all test results shall be submitted to the engineer within one business day of sampling.

**6.0 Basis of Payment.** The contract unit price for asphalt binder and aggregates will be considered full compensation for RAP.